

# APPARATUS AND METHOD FOR LIGHT WEIGHT HIGH PERFORMANCE TARGET

## Abstract

An x-ray anode for use in an x-ray tube is provided. The x-ray anode includes a substrate material, a target material, and one or more graded coefficient of thermal expansion material layers. The target material is coupled to the one or more graded coefficient of thermal expansion material layers and the graded coefficient of thermal expansion material layers are coupled to the substrate material. A method of making the x-ray anode is also provided.